Batteries_and_cells_15x15_2006-10-06

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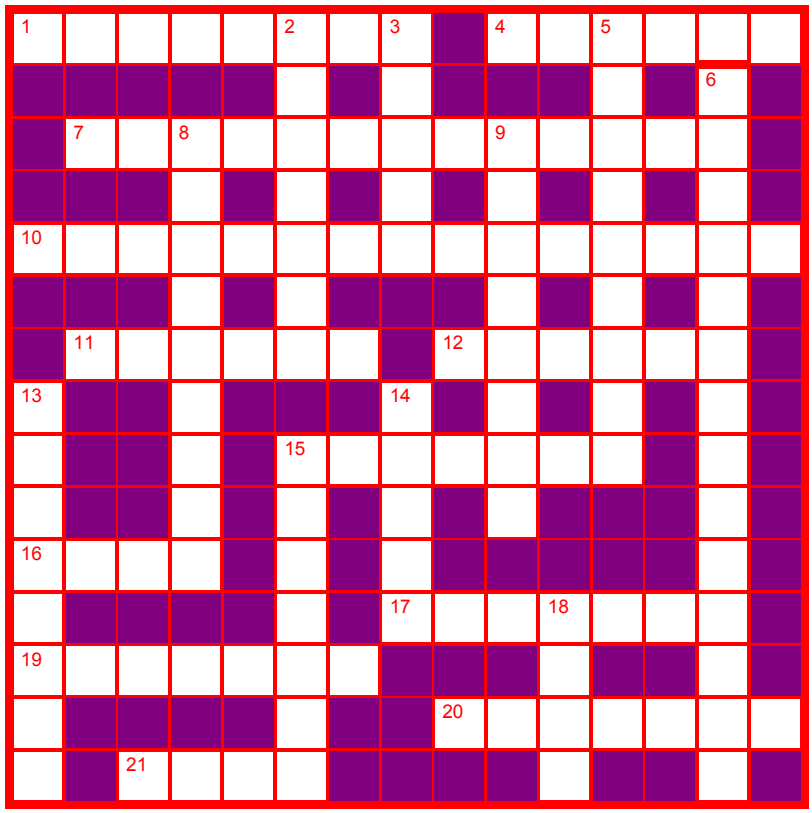

Across

1 A stable sub-atomic particle with negative electrical charge. (8)

4 Capacity of a system to do work. (6)

7 Electric current flowing in one direction only. (6,7)

10 A battery with lead electrodes with dilute sulphuric acid as the electrolyte; each cell generates about 2 volts. (4,4,7)

11 An outer covering or casing. (6)

12 Having strength or power greater than average or expected. (6)

15 A negatively charged electrode of a storage battery. (7)

16 A large and important line for the distribution of electricity. (4)

17 Deplete. (7)

19 Chemical element with symbo; "Cd", found generally in zinc, copper and lead ores. (7)

20 Cessation of functioning or performance. (7)

21 Compounds that are formed by replacement of part or all of the hydrogen ions of an acid by a metal or some similar element. (4)

Down

2 To reprocess or re-use. (7)

3 A rechargeable dry cell that has a nickel cathode and a cadmium anode. (5)

5 A solid electric conductor through which an electric current enters or leaves an electrolytic cell or other medium. (9)

6 A voltaic battery that stores electric charge. (7,7)

8 Removal of oxygen. (9)

9 A process in which one or more substances are changed into others. (8)

13 Relating to, used in, or produced by chemistry. (8)

14 Conserve for future use. (5)

15 The complete path of an electric current including the source of electric energy. (7)

18 An aqueous solution with a pH less than 7. (4)